



SATFINDER 3 USER'S GUIDE

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WARRANTY CONDITIONS

- 1) Warranty period is minimum 2 (two) years after the delivery of the device.
- 2) The life of the charge adaptors and chargeable batteries changes on the basis of their use all the other components of the product are under the warranty coverage given by our Company. Charge adaptors and chargeable batteries shall be delivered by our Company under supply warranty but they are not included in the warranty coverage herein.
- 3) If the device has a disorder during the warranty period, the time during the device was at the service for repair shall be added to the warranty period. The repair period can not exceed 30 (thirty) work days. This period starts as of the delivery of the disorder device to the service station or if the service station does not exist, as of the delivery to the seller, agent, representative, dealer or manufacturer. If the industrial good can not be repaired within 5 working days, the manufacturer has to allocate another device with the same or similar characteristics to the consumer.
- 4) If the device is subject to a disorder due to workmanship or materials during the warranty period, the device shall be repaired free of charge without demanding any payment for workmanship, components or for any other reason. The device can be delivered to the service by person, if the device is not delivered by person, the cargo and forwarder fees shall be paid by the consumer. The disorders stem from the misuse of the consumer shall be repaired against the relevant fees.
- 5) If the same disorder repeats more than twice within a year during the warranty period or four different disorders are seen in the device within one year and the device can not be used continuously for that reason or the time determine for the repair exceeds or there is no service station or a report stating that the disorder can not be repaired by the dealer, agent, representative or the manufacturer of the device, it shall be changed free of charge.
- 6) The disorders stem from the use of the device for any purpose other than those stated in the user's manual are not under the warranty coverage.
- 7) During the warranty period, no workmanship or other fee is demanded from the customer for the periodic maintenance services that are said to be compulsory by the service stations.
- 8) The consumers have the right to apply to the Ministry of Trade and Industry Protection of the Customers and Competition General Management for any problems related to the Warranty Certificates.

Certificate No:

Certificate Approval Date:

NOTES:

Caution:

Please plug off the power cable and turn off the on/off button in the rare panel before cleaning your device and use a soft cloth for this purpose.

Do not use any accessories or additional apparatus that do not advises by the manufacturer company since they might harm your device. While carrying your device protect it against falling and crushes, otherwise your device might be damaged. You have to carry your device in its bag and do not carry it in tool boxes or together with any equipment that might damage it, otherwise any damages that might occur on your device shall be out of warranty coverage.

Since your device is used outdoors, protect it from contact with liquid in rainy and snowy days. Contact with liquid might damage your device.

Charge your device with advised charge adaptor or vehicle lighter charge. Unsuitable charge devices might damage your charger and result with explosion due to excessive heating and harm your. The user shall be responsible for this kind of situations. When using charge adaptors, use the ones with 12 volt (medium +) feeding ones. Do not leave the device on, the batteries inside the device left on shall lose their function by the time. The life of the lighter charge, charge adaptor and batteries changes according to their use and therefore they are not included in the warranty coverage. Be careful against short circuits while connecting your device to LNB otherwise LNB and your device might be damaged.

Service related issues:

Do not try to repair your device yourself. When you open the cover of your device, it shall be out of warranty. Please apply to your dealer or technical service for all the issues related to your device.

BASIC CHARACTERISTICS:

- Fast and Precise Direction Finding
- Frequency based Direction Setup
- Satellite based Direction Setup
- Spectrum Analysing Indicator
- Manuel Frequency Exchange
- Manuel LOF Exchange
- Short Circuit Protection
- Easy Lnb Setup
- Sharp 194A Tuner
- Diseq-c Switch Easer
- Auto Diseq-c Finding
- Multiswitch Easer
- 6 Different Language Options
- Fast charging in 2 hours
- Lit-Ion Battery Duration of 4 hours
- Lighted Lcd Screen
- Long life bag
- 6cm x 14cm x 8cm
- Signal and Power Level
- BER Level
- Frequencies of 32 Satellites
- 16 Frequencies from each satellite
- Frequency loading from the PC
- Light and easy carriage..

One-touch Memran: thanks to the sensitive one-touch keys in Satfinder2, easy and fast use.

Serial Comport Connection: you can update and load frequencies using Serial Rs232 connection.

Sharp 194 Tuner: thanks to the Sharp Tuner, you can setup the signal in a precise and fast manner.

Easy charge: you can charge your device with the charge adaptor via that lighter charger under any condition.

LCD Screen: you can use illuminated LCD screen during the day and night.

Leather bag: Satfinder2 is more durable thanks to the leather bag that can be worn on the waste and neck.

Automatic Finding of Satellite and Diseqc: Through selection of AUTOMATIC SATELLITE or AUTOMATIC Diseq in the menu, Satfinder3 indicates which satellite it is looking for on its screen.

6 Different Languages : Turkish -English – Italian -German - Spanish - French

Warning: Design and characteristics can be changed without given notice.

TECHNICAL CHARACTERISTICS :

Frequency Interval	: 950 Mhz – 2150 Mhz
Number of Satellites	: 32 Satellites
Number of Frequencies	: 16 frequencies from each satellite
Symbol Rate	: between 2000 ile 45000
FEC	: Automatic
Max. Signal Receiving	: -65 dBm ~ -25dBm
22 KHZ	: Automatic
Measurable LNB Types	: Universal Lnb , C Band Lnb Onetouch Lnb , (Mdu1 – Mdu2) Single Lnb Ka Band Lnb DBS Lnb Manuel Lnb
Short Circuit Protection	: LnbP21PD
Diseq-C Protocol	: Diseq-C 1.0
Spectrum	: All band level setup
Auto Diseq-C	: Which Diseq-C Port Which Satellite
Auto Satellite Finding	: Fast Finding of Satellite Name
New Frequency Entering	: Changing the Frequency entering again
BER Level	: Actual Ber Level Indicator
Screen Illumination	: Green Light
Dimensions	: 6cm x 14cm x 8cm
Weight	: 500 gr
LNB Output Voltage	: 13V and 18V (+- 1V)
Max. Power Consumption	: 500 mA
Battery	: 1950mAh 7.4V Lit-Ion
Charging Period	: 2 Hours
Battery Operation Life	: 240 Minutes in Permanent Usage
Charge Adaptor	: 220V AC input,12VDC output,800 mA
Device Charge	: 12 V 1 A
Screen Type	: 128x32 Lighted LCD
RF Connector	: F type Connector
PC Connection	: Rs232
PC Software	: Windows 98/Xp/Vista
Tuner	: Sharp 194A
Tone	: Audible warning with Buzzer
Language	: Turkish , English , French , German , Italian Spanish
Component	: SMD
Test Duration	: 6 times in a week

Accessories :

- Leather bag
- Operating Manual
- Charge Adaptor
- Device Charge

TROUBLE SHOOTING :

If the Screen or the Device is not ON:

The charge of the device might be over. Plug it to the charge adaptor and it shall be on after 30 minutes.

The On/Off button in the rare panel might be in the OFF position.

There might be a short circuit in the LNB or LNB cable. This might damage your device and any such damages are not under the warranty coverage.

Your device might be broken or subject to a damage. Please apply to your dealer or authorized service in compliance with the Warranty Conditions. Please do not try to repair the device yourself, otherwise it shall be out of warranty coverage.

If the Device can not be charged:

Check if the LED lights on the adaptors are on. If the LED light is not on, the adaptor might be not connected to the plug properly or it might be broken. The battery indicator on the right top corner of the LCD screen shall be seen full when you plug the charge adaptor.

Your device might be broken or subject to a damage. Please apply to your dealer or authorized service in compliance with the Warranty Conditions. Please do not try to repair the device yourself, otherwise it shall be out of warranty coverage.

Signal and Quality are not shown in Satellite Direction Setup of your Device:

You might have not arranged your satellite dish to the correct direction yet.

There might be barriers such as trees, buildings and electricity polls in front of your satellite dish.

You might have not made the correct LNB Setup Selection in the Menu. Leave the Menu and check your LNB setup and LNB values on your satellite dish.

You might have not made the correct Satellite Setup in the menu. Leave the menu and check these setups.

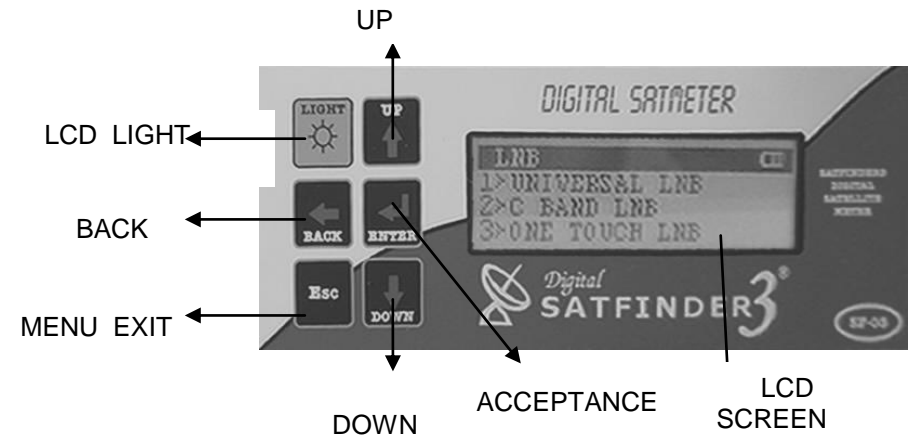
The frequency you selected might be not broadcasting anymore. Check this frequency at "www.flysat.com" website and you can load the updated frequencies by Satfinder3 (www.satfinder3.com)Update program.

There might short circuit or disconnection problems in your LNB cable.

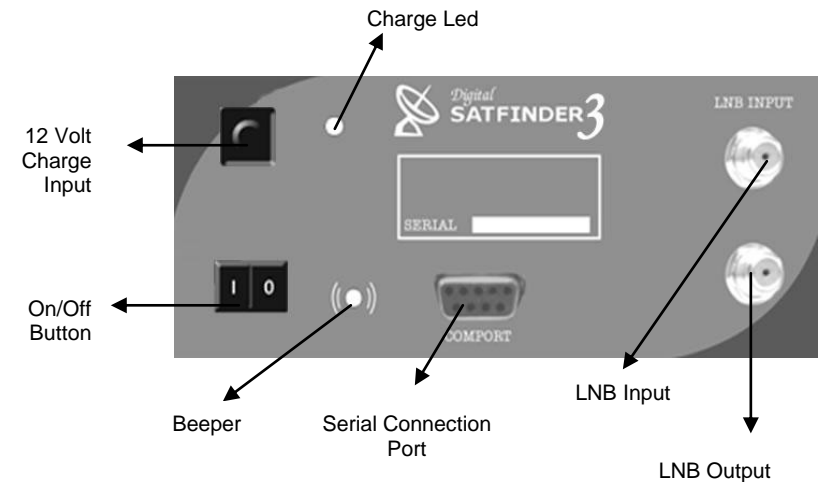
You LNB might have a disorder.

Your device might be broken or subject to a damage. Please apply to your dealer or authorized service in compliance with the Warranty Conditions. Please do not try to repair the device yourself, otherwise it shall be out of warranty coverage.

FRONT PANEL KEYS:



BACK PANEL INFORMATION:



CHARGE ADAPTORS:

AC 220 V Charge Adaptor:



Thanks to your electric charge adaptor with 12 Volt output you can have your device charged all the time and use your device at the places where there is no electricity. Please avoid any pressure, crush and overload on your charge adaptor. Do not open it to repair or examine.

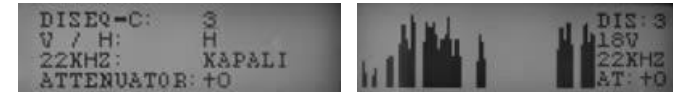
Vehicle Lighter Charge Adaptor:



With the help of your lighter charge adaptor with 12 Volt output, you can have your device charged all the time and use your device at the places where there is no electricity. You can charge your device while you're traveling. Please avoid any pressure, crush and overload on your lighter charge adaptor. Do not open it to repair or examine.

SPECTRUM :

Skip to Spectrum screen after Diseq-c , Polarite , Band and AT setup is done. Spectrum is a screen which ensures the received analogue signal levels to be displayed on graphical screen by scanning the full frequency band between 950-2150 Mhz. The vertexes on screen display the sections strong in terms of signal. If the signal levels are very low or very high, AT +- value can be changed in order to monitor easily.



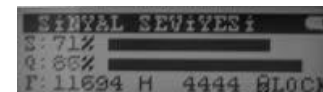
SATELLITE AND FREQUENCY SELECTION :

In the memory of Satfinder3 device, there are popular information of 32 pieces of satellite and 16 pieces of frequencies. You can select by " ENTER" key, the frequency which your mounted dish antenna is desired to measure from the satellite that you have selected.



SIGNAL – QUALITY – BER INDICATOR :

The screen which will be displayed at the end of Satellite and Frequency selection operations, is the menu that displays the Signal and Quality Level and also the deadlock sign. Here, the purpose is to attain the highest quality and level values. After finding the signal, LOCK sign will appear. After Lock sign is displayed, you can skip to BER level menu by ENTER key. In BER section, the quantity of errors is displayed in written. The lowest the BER rate is, the highest the quality and fineness of the broadcast is. Fine tune can be made in LNB by BER indicator.



SEARCH MODE :

After making Diseq-c setup, SEARCH MODE menu will appear. In this menu, you can select frequency from READY LIST, enter a new frequency, have a look at which satellite the available dish antenna is turned towards by AUTO SEARCH or see the spectrum picture of selected Polarity or Band by SPECTRUM menu if desired.



READY LIST :

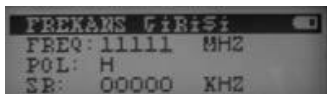
In the memory of Satfinder3 device, there are popular information of 32 pieces of satellite and 16 pieces of frequencies. You can find the orbit of the satellite to which you want your dish antenna to look towards from this menu and select it by pressing the "ENTER" key. The satellites are shown in this menu as in the following picture.

(Note: After selecting the satellite, you can change the ready frequencies if you press on BACK key in frequency menu.)



NEW FREQUENCY:

If you would like to set a frequency that is not available in our frequency list, you can enter our new frequency from this menu, measure the signal and quality levels.



AUTO SEARCH :

If you make the satellite dish setup directly without choosing a satellite and then a frequency from your device memory and want to see the frequencies in the satellite where the satellite dish was turned towards, select this menu by pressing the "ENTER" key.



Satfinder3 Leather Bag with Stripe:

Thanks to the leather bag of Satfinder3 you can use your device from the negative effects of rain and snow and the crushes. The leather bag can be worn on your waist or hung to neck. It enables you to carry the device very easily.

RS232 Cable:

You can load the software, frequency changes and various updates via computer into your Satfinder3 device by Rs232 cable with 9 pins female-male .

DEVICE CONNECTION AND OPERATION:

Connect the LNB cable of your satellite dish to the LNB input of Satfinder2. Turn the On/Off button of the device to "I" or "On" position. Your device shall be turned on and the menu shall come to the LCD screen.

In LNB menu, select one of the options according to the LO characteristic of LNB used in your dish antenna and press ENTER key. Device will skip to DISEQ-C menu. If there is Diseq-c switch in the system, select Diseq-c port, if not, select NO DISEQ-C option. If you know that there is Diseq-c Switch in the system but don't know which satellite is in which port, ENTER OTO DISEQ-C option so the device will display the Diseq-c ports by itself. After doing the Diseq-c setups, SERACH MODE menu will appear. In this menu, you can select frequency from READY LIST, enter a new frequency, have a look at which satellite the available dish antenna is turned towards by AUTO SEARCH or see the spectrum picture of selected Polarity or Band by SPECTRUM menu if desired.

32 pieces of satellite memory are found in the device. Select the satellite of which you will make the setup in SATELLITE menu by ENTER key after pressing and changing by DOWN and UP keys. Frequency Selection Menu will appear. Approximately 16 pieces of current frequencies can be recorded in memory under each satellite in the device. Select the frequency which you will set through pressing UP and DOWN keys, changing frequencies by ENTER key. Signal Level Menu displaying the signal and quality values will appear .

Now the Satfinder3 setup has finished. You have to move the Satellite Dish and find the right direction. At that moment you can see that the values in the Signal Level Menu are moving. Te logic here is to complete the satellite dish setup at the highest level. When you see that the level is not going higher anymore (When the LOCK SYMBOL appears on the screen. If not continue the transaction) you have to do the LNB polarity setup. With the help of this setup, you shall be able use the LNB power with the full extent. When you finish the LNB setup, the LOCK SYMBOL will completely appear on the screen and it will not go off. Now all the transactions have been completed and the frequency you have chosen for the satellite you desired were set up at the best values. You can start cabling transaction.

Since the device is charged, you don't have to use the charge adaptors while doing satellite dish setup or LNB polarity setup. If your charge is over you can use the charge adaptors to operate the device. Don't wait the device to be charged. You can continue the assembly works by using the charge adaptor.

MENU OPTIONS :

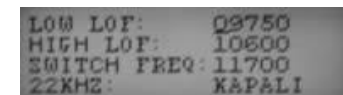
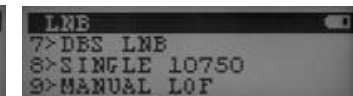
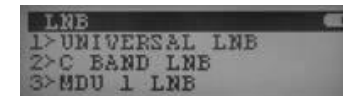
SETTINGS:

When your device is turned on, if you press ESC key, device settings menu will appear. In this menu, you can set the brightness of the screen, tone block-out and 6 different language options. (Turkish, English, French, German, Italian, Spanish)



LNB SELECTION:

When your device is turned on, it is directly opened with LNB selection menu. In this menu, all LNB varieties having World Standards are available. If LNB that you will use is out of standards, you can make LNB settings in conformity with your Standard from MANUAL LOF option.



DISEQ-C MENU :

After the selection of compatible LNB, DISEQ-C menu will appear. In this menu, we can select the signal in the desired Diseq-c Port or select NO DISEQ-C option. If you don't know Diseq-c Switch ports, we can see which satellites are connected to which ports of our Diseq-c Switch from OTO DISEQ-C menu. Some Diseq-c switches are produced in a manner of out of standards or poor quality for some reasons. So it is possible that your device can't select Diseq-c switch. But DISEQ-C 1.0 protocol is loaded in your computer and ready for usage.

